Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (Currently Amended): A projecting system for projecting an image onto a screen comprising:

a projector comprising:

a light source;

a beam splitter installed on a side of the light source, for splitting a beam generated by the light source into a visible beam and an invisible beam;

a first image-forming device for modulating the invisible beam to form a first image;

a second image-forming device for modulating the visible beam to form a second image having at least one cursor; and

a prism for projecting the first image and the second image onto the screen; and

~~an~~ a movable image-capturing device for capturing a part of the first image, the image-capturing device having

an output unit for outputting the first image captured by the image-capturing device, wherein the output unit outputs a first part of the first image at a first time, outputs a second part of the first image at a second time; and

a data processor for receiving data from the output unit and changing the position of the cursor according to the first part and the second part of the first image.

Claim 2 (Original): The projecting system of claim 1 wherein the first image is a square

matrix.

Claim 3 (Original): The projecting system of claim 1 wherein the data processor is connected to the projector through a transmission line.

Claim 4 (Original): The projecting system of claim 1 wherein the data processor is connected to the projector wirelessly.

Claim 5 (Original): The projecting system of claim 1 wherein the data processor calculates a moving distance for the cursor according to a difference between the first part and the second part of the first image.

Claim 6 (Original): The projecting system of claim 5 wherein the projecting system further comprises a computer, and the data processor is installed inside the computer for calculating the moving distance of the cursor.

Claim 7 (Original): The projecting system of claim 6 wherein the output unit of the image-capturing device transmits the first part and the second part of the first image to the data processor through a transmission line.

Claim 8 (Original): The projecting system of claim 6 wherein the output unit of the image-capturing device transmits the first part and the second part of the first image to the data processor wirelessly.

Claim 9 (Original): The projecting system of claim 1 wherein the image-capturing device further comprises a processing unit for calculating a difference between the first part and the second part of the first image so as to calculate a moving distance for the cursor.

Claim 10 (Original): The projecting system of claim 9 wherein the projecting system is cooperated with a computer, and the image-capturing device further comprises a data transmitter for transmitting the moving distance of the cursor.

Claim 11 (Original): The projecting system of claim 1 wherein the first image-forming device and the second image-forming device are liquid crystal displays (LCD).

Claim 12 (Original): The projecting system of claim 1 wherein the first image-forming device and the second image-forming device are digital micromirror devices (DMD).

Claim 13 (Currently Amended): The projecting system of claim 1 wherein the image-capturing ~~photosensing~~ device is a charge coupled device (CCD).

Claim 14 (New): A method for controlling position of a cursor projected onto a screen in a projection system, the projection system comprising:

a projector comprising:

a light source;

a beam splitter installed on a side of the light source, for splitting a beam generated by the light source into a visible beam and an invisible beam;

a first image-forming device for modulating the invisible beam to form a first image;

a second image-forming device for modulating the visible beam to form a second image comprising the cursor; and

a prism for projecting the first image and the second image onto the screen; and

a movable image-capturing device for capturing a part of the first image;

the method comprising:

the image-capturing device capturing a first part of the first image;

moving the image-capturing device;

the image-capturing device capturing a second part of the first image; and

changing the position of the cursor according to differences between the first part and the second part of the first image.

Claim 15 (New): The method of claim 14 further comprising the image-capturing device transmitting the first and parts of the first image to a data processor, the data processor calculating a new position of the cursor according to differences between the first part and the second part of the first image.

Claim 16 (New): The method of claim 15 further comprising the image-capturing device wirelessly transmitting the first part and the second part of the first image to the data processor.

Claim 17 (New): The method of claim 15 further comprising the data processor transmitting the new position of the cursor to the projector.

Claim 18 (New): The method of claim 15 further comprising the data processor wirelessly transmitting the new position of the cursor to the projector.